

technology lessons 4 teachers

school year

2013 - 14

top 10 websites secondary (6-12) science



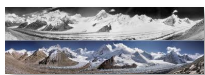
3d toad – www.3dtoad.com
(biology)

Users can zoom in & out and rotate 360 degrees on interactive images.



curiosity – bit.ly/1id0IPG
(science videos)

Videos from the Discovery Channel television show, relate scientific discoveries to everyday life. Each video includes questions from scientists that would make great classroom discussion topics.



everest: rivers of ice –
bit.ly/1id1qMP (ecology)

Everest has videos, before (1920) & after (2007) photos of glaciers, & panoramic images of valleys & glaciers of the Himalayas.



instagrok – www.instagrok.com
(research tools)

The site is an interactive wonder wheel search engine for learners. Users get lists of facts, websites, videos, images, quizzes & a glossary.



learn chemistry – rsc.li/1jwl3AJ
(chemistry)

This website has lessons for teaching chemistry to all grade levels. Be sure to check out the *Faces of Chemistry* series & the *Visual Elements Periodic Table*.



minute physics –
www.youtube.com/minutephysics
(science videos)

MinutePhysics is a YouTube channel that provides short physics lessons using animations to explain a topic.



scishow –
www.youtube.com/scishow
(science videos)

Hank Green from *Crash Course!*, sparks students' curiosity with videos over a variety of science topics.



state of flux –
1.usa.gov/13J0dYx (ecology)

The photo gallery features 255 before & after pictures of after effects & impacts of climate change, natural disasters, & land use.



the why files – whyfiles.org
(science resources)

This website is designed for students to learn more about the science concepts behind news stories.



thingdom – bit.ly/122mlFm
(biology)

This is a fun & challenging game about genetics from the London Science Museum. Users select & care for "Things" & create an offspring based on certain traits like stripes & size.



view online

View these resources online at technology.pcsd.schoolfusion.us. You can also view all the articles, sites, apps, & ActivInspire tips in an organized, easy to navigate setting at the TL4T Newsletter Home Page at tl4t.wikispaces.com.

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top 10 apps secondary (6-12) science



build a body *(anatomy)*

6 complete body systems. Drag & drop organ systems to their correct position within the human body. *(iPad – free)*



elements – periodic table element quiz *(chemistry)*

Periodic table & element quiz with two modes of gameplay. Choose either matching symbol to name or name to symbol. *(iPhone – free)*



essential skeleton *(anatomy)*

This app covers the essential anatomy of the human skeleton using 3D technology. There is a companion app, *Essential Anatomy* for \$19.99. *(iPad – free)*



exoplanet *(astronomy)*

An exoplanet is a planet orbiting stars beyond our own solar system. This app is an interactive catalogue of known exoplanets. *(free)*



nasa earth as art *(ecology)*

Stunning satellite images provide new perspective of our planet Earth. This features time-lapse images of locations on Earth undergoing significant change. *(iPad – free)*



project noah *(ecology)*

A platform to collaborate, explore & to document wildlife found in your community. 3 modes are available – Spotting, Location-based Field Guide, & Field Missions. *(iPhone – free)*



simplephysics *(physics)*

Use your engineering skills to build complex structures from tree houses to submarines, but remember to stay under budget. *(\$1.99)*



skitch *(productivity)*

Skitch allows you to annotate images & documents with arrows, stamps, shapes, text, & more. Annotate a PDF & photo.. *(free)*



solve the outbreak *(biology)*

Be a disease investigator by solving clues & analyzing data. Do you quarantine the sick? Check lab results? Move quickly to save lives. *(iPad – free)*



visual anatomy *(anatomy)*

An interactive reference tool using Gray's anatomy with high-resolution images & feature points. These are labeled with short descriptions. Quiz included. *(free/\$1.99)*



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